

PORTABLE FLUORESCENT DROP-LIGHT

Abstract of the Disclosure

A hand-held fluorescent lamp assembly powered by typical line supply of 120 VAC, 60 Hz via an attached power cord and employing multiple commonly available fluorescent lamps. The assembly includes switches to independently control the multiple fluorescent lamps. The assembly includes lightweight solid state power regulation components. The power regulation circuit employs a self-oscillating circuit that is approximately matched in frequency of oscillation to the natural frequency of the fluorescent lamp load to automatically ignite the fluorescent lamps. The power regulation circuit includes circuit elements to automatically protect the ballast circuit and lamps from overdrawing in the run state and from abnormal load conditions.

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